National Space Day 2025 Assembly New Missions

Hello. I'd like to share some exciting journeys taken on by our space agency, ISRO

We start with some of the Recent Past Missions done by ISRO:

1. NISAR (NASA-ISRO Synthetic Aperture Radar mission):
    a. ISRO, in collaboration with NASA, launched NISAR on 30th of July, 2025. It provides highly precise Earth-monitoring capabilities.

2. Aditya-L1:
    a. *Aditya-L1*, launched in September 2023, now studies the Sun from Lagrange Point 1, offering continuous solar observation and contributing in Space Weather research.

3. Ladakh Human Analogue Mission (2024–present):
    a. ISRO is conducting a pioneering analogue mission in Ladakh to mimic space-like conditions, preparing for future Moon and Mars missions

Now, Some of the Future Endeavours that ISRO is going to take soon:

1. Gaganyaan Mission (Human Spaceflight Mission):
    a. **Gaganyaan-1:** The first **uncrewed test flight** featuring "Vyommitra", ISRO's humanoid robot, is scheduled for **December of 2025**
    b. ***Gaganyaan-4:*** The first crewed flight test is planned around **2027**, aiming to send Indian astronauts into orbit for 7 days

2. Shukrayan (Venus Orbiter Mission):
    a. Set to launch on **29 March 2028**, this mission will explore Venus's atmosphere, surface, and climate evolution

3. Lupex:
    a. A collaborative robotic mission with JAXA to explore the Moon's south pole, targeting launch in the **2026–2028** window.
4. Indian Space Station:
    a. ISRO is currently planning to establish a permanent Presence in space after the ISS is brought down in the form of the Indian Space Station.

These missions send a clear message, that ISRO is not holding back. We might not be at the forefront of Space Flight yet, but we may very well soon get there!

"Not even the sky is the limit for us & ISRO!!"